

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.:

09/841,299

Confirmation No.:

3896

Filing Date:

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April 24, 2001

Inventors:

de Rouffignac et al.

Title:

IN SITU THERMAL

PROCESSING OF A

HYDROCARBON

CONTAINING FORMATION TO INCREASE A POROSITY

OF THE FORMATION

Examiner:

G. A. Suchfield

Art Unit:

3672

Atty. Dkt. No.:

5659-02500/EBM

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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REQUEST FOR SIGNED FORM PTO 1449 AND ELECTRONIC INFORMATION DISCLOSURE STATEMENTS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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**GROUP 3600** 

Sir:

Applicant notes that the Examiner has not acknowledged receipt of all of the Information Disclosure Statements filed for the above-captioned application. Applicant has attached the unacknowledged Form PTO-1449. The form list references S05 and T01-T54 (sent on July 29, 2003; received by the PTO on July 31, 2003 as indicated on the enclosed copy of the return postcard).

Applicant has attached the unacknowledged electronic Information Disclosure

Statements. The statements include U.S. Patent Documents reference numbers 1-4 (sent to and received by the PTO on June 23, 2003, as indicated on the enclosed acknowledgement receipt EFS ID 42304); and U.S. Patent Documents reference numbers 1-10 (sent to and received by the

Inventors: de Rouffignac et al. Appl. Ser. No.: 09/841,299 Atty. Dkt. No.: 5659-02500

PTO on September 5, 2003, as indicated on the enclosed acknowledgement receipt EFS ID 47177).

Applicant respectfully requests signed, initialed copies of Form PTO-1449 and the electronic Information Disclosure Statements, previously submitted for the above-captioned application.

Respectfully submitted,

David W. Quimby Reg. No. 39,338

Attorney for Applicant

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Date: November 25, 2003

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

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ATTY. DKT. NO. 5659-02500

APPLICANT: de Rouffignac et al.

SERIAL NO. 09/841,299
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FILING DATE: April 24, 2001

**GROUP 360**0

| <del></del>       |                                                                                                             | Wa man                                                                                                                                                                                  | J.S. PATENT D                                    | OCUMENTS               |              | G             | ROUP                          |
|-------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|--------------|---------------|-------------------------------|
| EXAM.<br>INITIALS | REF.<br>DES                                                                                                 | DOCUMENT<br>NUMBER                                                                                                                                                                      | DATE                                             | NAME                   | CLASS        | SUB<br>CLASS  | FILING DATE IF<br>APPROPRIATE |
|                   | S5                                                                                                          | 2,857,002                                                                                                                                                                               | 10/21/1958                                       | Pevere et al.          |              |               |                               |
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| EXAM.<br>INITIALS | REF. DE                                                                                                     | S. DOCUMENT<br>NUMBER                                                                                                                                                                   | DATE                                             | COUNTRY                | CLASS        | SUB<br>CLASS  | TRANSLATION YES/NO            |
|                   | T01 1836876 12/30/1994 SU                                                                                   |                                                                                                                                                                                         |                                                  |                        |              | Y             |                               |
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EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

| Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)  T21 "Aggreglerings of Read of ransoneringen grunder", Av director E.F. Cederlund I Statens Ilivesmedelskonnmission (1page).  T22 Ronnby, E. "K VARNTORP-Sveriges Storsta skifferoljeindustri," 1943, (9 pages)  T23 SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).  T24 Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)  T25 Hedback, T. J., The Swedish Shale as Raw Material for Production of Power, Oil and Gas," XIth Sectional Meeting World Power Conference, 1957 (9 pages)  T26 SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. (141 pages) English  T27 SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 19 Vol. 2, (146 pages) English.  T28 "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English.  T29 Helander, R.E., "Santa Cruz, California, Field Test of Fluidized Bed Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.  T30 Helander et al., Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery", 1959, (86 pages) English.  T31 SSAB report, "Bradford Residual Oil, Athabasa Ft. McMurray" 1951, (207 pages), partial translation.  T32 "Lins Burner Test Results-English" 1959-1960 |                                         |
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| T45 SSAB report, "Secondary Recovery after LINS," 1945 (78 pages)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |
| T46 SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                                       |
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| T48 SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ``                                      |

### **EXAMINER:**

## DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

| F rm PTO-1449 (r      | modified)                     | ATTY. DKT. NO. 5659-02500                         | SERIAL NO. 09/841,299             |
|-----------------------|-------------------------------|---------------------------------------------------|-----------------------------------|
| List of Patents and I | Publication                   |                                                   |                                   |
| For Applicant's Info  | 1 2 4                         | APPLICANT: de Rouffignac et al.                   | GROUP: 3672                       |
| Disclosure Statemer   | nt \ <b>16</b> 0              |                                                   |                                   |
| (Use several sheets   | if necessary)                 | FILING DATE: April 24, 2001                       |                                   |
| T49                   | SSAB report, Luju<br>Swedish. | unstrom Oil and its Use as Liquid Fuel," Thesis I | by E. Pals, 1949 (83 pages).      |
| T50                   | SSAB report, "Environmental S | Sulphur and Effect on Vegetati n," 1951 (50 pag   | ges). Swedish.                    |
| T51                   | SSAB report, "Tar Sands", Vol | .135 1953 (20 pages, pages 12-15 translated). S   | wedish.                           |
| T52                   | SSAB report, "Assessment of S | Skanes Area (Southern Sweden) Shales as Fuel S    | ource," 1954 (54 pages). Swedish. |
| . T53                 | SSAB report, "From as Utre Dr | Text Geology Reserves," 1960 (93 pages). Swe      | zdish.                            |
| T54                   | SSAB report, "Kvarntorps-Env  | ironmental Area Asessment," 1981 (50 pages). S    | Swedish.                          |
|                       |                               |                                                   |                                   |
|                       |                               |                                                   |                                   |
|                       |                               |                                                   | <del></del>                       |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

de Rouffignac et al. Shell Oil Company April 24, 2001 09/841,299

FILING DATE:

TITLE:

SERIAL NO.: **ASSIGNEE:** 

INVENTORS:

IN SITU THERMAL PROCESSING OF A HYDA

THE FORMATION

CONTAINING FORMATION TO INCREASE A POROSITY OF

ATTORNEY DOCKET: 5659-02500

acknowledge receipt of the following: 1) Information Disclosure Statement (1 page); 2) Form PTO 1449 listing references S5 and T1-T54 (3 pages) with accompanying references; 3) A Return The date stamp of the mail room of the U.S. Patent and Trademark Office hereon will Postcard.

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# **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

**Electronic Version v18** Stylesheet Version v18.0

> Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION

**Application Number:** 

09/841299

\*09/841299\*

**Confirmation Number:** 

3896

First Named Applicant:

Eric de Rouffignac

Attorney Docket Number: 5659-02500

Art Unit:

3672

Examiner:

George A Suchfield

Search string:

DEC 0 4 2003

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(4931171 or 4737267 or 4384948 til 3333733 3244231 or 3223166 or 3947656 or 3165154 or 4458757 ).pGROUP 3600

### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date       | Patentee      | Kind | Class | Subclass |
|------|----------|------------|------------|---------------|------|-------|----------|
|      | 1        | 4931171    | 1990-06-05 | Piotter       |      |       |          |
|      | 2        | 4737267    | 1988-04-12 | Pao et al.    |      |       | , ,      |
|      | 3        | 4384948    | 1983-05-24 | Barger        |      |       |          |
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|      | 6        | 3244231    | 1966-04-05 | Grekel et al. |      |       | :        |
|      | 7        | 3223166    | 1965-12-14 | Hunt et al.   |      |       |          |
|      | 8        | 3947656    | 1976-03-30 | Lodi          |      |       |          |
|      | 9        | 3165154    | 1965-01-12 | Santourian    |      |       | :        |
|      | 10       | 4458757    | 1984-07-10 | Bock et al.   |      |       |          |

### Signature

| Examiner Name | Date |
|---------------|------|
|               |      |

# UNITED STATES PATENT AND TRADEMARK OFFICE ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1 Stylesheet Version v1.1.1

Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION

Submission Type:

Information Disclosure Statement

**Application Number:** 

09/841299

\*09/841299\*

DEC 0 4 2003

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EFS ID:

47177

Server Response:

| Confirmation<br>Code | Message                                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ISVR1                | Submission was successfully submitted - Even if<br>Informational or Warning Messages appear below, please<br>do not resubmit this application                                                                     |
| ICON1                | 3896                                                                                                                                                                                                              |
| 18785                | Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later. |

First Named Applicant:

Eric de Rouffignac

Attorney Docket Number: 5659-02500

Timestamp:

2003-09-05 16:36:07 EDT

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File Listing:

| Doc. Name    | File Name            | Size (Bytes) |
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| us-ids       | us-ids.dtd           | 7763         |
| us-ids       | us-ids.xsl           | 12026        |
| package-data | el575-581-pkda.xml   | 2049         |
| package-data | package-data.dtd     | 27025        |
| package-data | us-package-data.xsi  | 19263        |
|              | Total files size     | 70909        |

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Name:

cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark

# **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION

Application Number:

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\*09/841299\*

Confirmation Number:

3896

First Named Applicant:

Eric de Rouffignac

Attorney Docket Number: 5659-02500

Art Unit:

3672

Examiner:

George A Suchfield

Search string:

( 3026940 or 3947683 or 3285335 or 3456721 ).pn.

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## **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date       | Patentee       | Kind | Class | Subclass |
|------|----------|------------|------------|----------------|------|-------|----------|
|      | 1        | 3026940    | 1962-03-27 | Spitz          |      |       |          |
|      | 2        | 3947683    | 1976-03-30 | Schultz et al. |      |       |          |
|      | 3        | 3285335    | 1966-11-15 | Reistle        |      |       |          |
|      | 4        | 3456721    | 1969-07-22 | Smith          |      |       |          |

## Signature

| Examiner Name | Date |
|---------------|------|
|               |      |

## UNITED STATES PATENT AND TRADEMARK OFFICE **ACKNOWLEDGEMENT RECEIPT**

**Electronic Version 1.1** Stylesheet Version v1.1.1

> Title of Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE **FORMATION** 

Submission Type:

Information Disclosure Statement

**Application Number:** 

09/841299

\*09/841299\*

EFS ID:

42304

Server Response:

| Confirmation<br>Code | Message                                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ISVR1                | Submission was successfully submitted - Even if<br>Informational or Warning Messages appear below, please<br>do not resubmit this application                                                                     |
| ICON1                | 3896                                                                                                                                                                                                              |
| ISYS5                | Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later. |

First Named Applicant:

Eric de Rouffignac

Attorney Docket Number: 5659-02500

Timestamp:

2003-06-23 18:24:20 EDT

From:

us

File Listing:

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| us- <b>id</b> s | us-ids.xsl          | 12026        |
| package-data    | S1-S4-pkda.xml      | 1875         |
| package-data    | package-data.dtd    | 27025        |
| package-data    | us-package-data.xsl | 19263        |
|                 | Total files size    | 69530        |

Message Digest:

1369918938c0777f5948e3f060ed6ba77e64f16b

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